



10/729012

cjc

Certificate of Corrections Branch
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

April 2, 2008

TRANSMITTAL LETTER

In re: **Patent No. 7,326,263**
Issued: 02/05/2008
Patentee: Erling Reidar Andersen
Title: Method and Apparatus for Hydrogenating Hydrocarbon Fuels

Certificate
APR 08 2008
of Correction

Dear Sir:

Mr. Mario Theriault's name was misspelled in Item (74) on the title page of U. S. Patent No. 7,326,263. It appears that this was an error on the part of the Patent Office since the letter "r" was scripted the same 3 times in item no. 2 of PART B- FEE(S) TRANSMITTAL form (a copy of which accompanies this letter). Furthermore, the typed name of Mr. Mario Theriault appears on the UTILITY PATENT APPLICATION TRANSMITTAL form (a copy of which also accompanies this letter).

Thank you for your attention and consideration in this matter.

Sincerely,

Palmer C. DeMeo (Reg. No. 37,083)
Palmer Patent Consultants
P. O. Box 1634
Woodbridge, VA 22195
Tel/Fax: 703-730-8663

Enclosures: CERTIFICATE OF CORRECTION (PTO/SB44)
Title Page of U. S. Patent No. 7,326,263
PART B – FEE(S) TRANSMITTAL form
UTILITY PATENT APPLICATION TRANSMITTAL form

RECEIVED-USPTO
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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 7,326,263
APPLICATION NO.: 10/729,012
ISSUE DATE : Feb. 5, 2008
INVENTOR(S) : Erling Reidar Andersen

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page,

Item (74), Attorney, Agent, or Firm, amend name
"Mario Theviault" to read --- Mario Theriault ---.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Palmer C. DeMeo
Palmer Patent Consultants
P. O. Box 1634, Woodbridge, VA 22195

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

APR 08 2008



US007326263B2

(12) **United States Patent**
Andersen

(10) **Patent No.:** US 7,326,263 B2
(45) **Date of Patent:** Feb. 5, 2008

(54) **METHOD AND APPARATUS FOR
HYDROGENATING HYDROCARBON FUELS**

- (76) **Inventor:** Erling Reldar Andersen,
Gressvikveien 32A, 1621 Fredrikstad
(NO)
- (*) **Notice:** Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 874 days.

436,812 A	9/1890	Tallmadge	48/118
490,437 A	1/1893	Hawkins	
767,289 A	8/1904	Kirkwood	
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1,916,473 A	7/1933	Forrest	
2,721,789 A	10/1955	Gill	23/282

(Continued)

(21) **Appl. No.:** 10/729,012

FOREIGN PATENT DOCUMENTS

(22) **Filed:** Dec. 8, 2003

CA 2116468 10/1998

(65) **Prior Publication Data**

(Continued)

US 2004/0131541 A1 Jul. 8, 2004

OTHER PUBLICATIONS

Related U.S. Application Data

Stockburger, D. et al., "On-line Hydrogen Generation from Alumi-
num in an Alkaline Solution". PROC.—Electrochem. Soc. (1992),
92-5 (Proc. Symp. Hydrogen Storage Mater., Batteries,
Electrochem., 1991), 431-44, 1992, XP-001032928.

(Continued)

- (60) Continuation-in-part of application No. 10/287,720,
filed on Nov. 5, 2002, now Pat. No. 6,800,258, which
is a division of application No. 09/620,250, filed on
Jul. 20, 2000, now Pat. No. 6,506,360.

- (51) **Int. Cl.**
C10J 1/00 (2006.01)
B01J 19/00 (2006.01)
B01J 7/00 (2006.01)
B01J 8/00 (2006.01)

Primary Examiner—Glenn Caldarola
Assistant Examiner—Jennifer A. Leung
(74) *Attorney, Agent, or Firm*—Palmer C. DeMeo; Mario
Theviault

- (52) **U.S. Cl.** 48/118; 48/116; 48/61;
422/305; 422/232; 422/233; 422/234; 422/239;
422/129

- (58) **Field of Classification Search** 48/116–118
See application file for complete search history.

- (56) **References Cited**

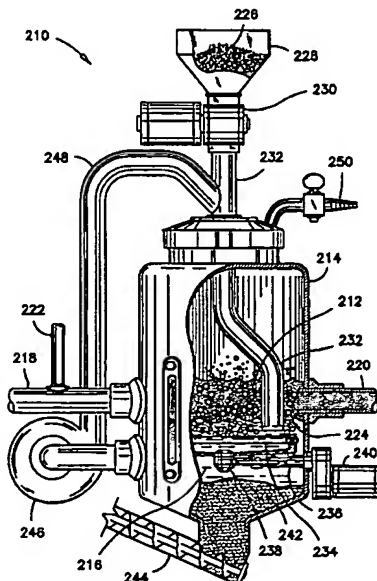
U.S. PATENT DOCUMENTS

254,189 A 2/1882 Berland 48/116
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(57) **ABSTRACT**

In the present invention, there is provided a process and an
apparatus for hydrogenating hydrocarbon fuels. A receptacle
is partly filled an aqueous solution containing sodium
hydroxide. A hydrocarbon fuel is then introduced inside the
receptacle atop the aqueous solution. Aluminum is intro-
duced in the aqueous solution, thereby producing hydrogen
gas. The hydrogen gas is bubbled through the hydrocarbon
fuel for hydrogenating the fuel.

12 Claims, 10 Drawing Sheets



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PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
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7590
 Palmer C. DeMEO
 Palmer Patent Consultants
 P.O. Box 1634
 Woodridge, VA 22195



APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/729,012	12/08/2003	Erling Reidar Andersen	23209	9116

TITLE OF INVENTION: METHOD AND APPARATUS FOR HYDROGENATING HYDROCARBON FUELS 13/2007 ANONDAF2 00000111 10729012

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$720	\$300	\$0	\$1020	02/28/2008

EXAMINER	ART UNIT	CLASS-SUBCLASS
LEUNG, JENNIFER A	1797	048-19700R

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Palmer C. DeMEO
 2 Mario Thervault
 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

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☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

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Authorized Signature Palmer C. DeMEO
 Typed or printed name Palmer C. DeMEO

Date 11-10-2007
 Registration No. 37083

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10698 U.S. PTO
120803

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

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UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))	Attorney Docket No.	23209
	First Inventor	Erling Andersen
	Title	Method and App for Hydrogenating Hydrocarbon Fuels
	Express Mail Label No.	

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
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1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) 2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. 3. <input checked="" type="checkbox"/> Specification [Total Pages 29] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 10] 5. Oath or Declaration [Total Pages 39] a. <input checked="" type="checkbox"/> Newly executed (original or copy) Copy from a prior application (37 CFR 1.63 (d)) b. <input type="checkbox"/> (for continuation/divisional with Box 18 completed) i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies
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10. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee)	<input checked="" type="checkbox"/> Power of Attorney
11. <input type="checkbox"/> English Translation Document (if applicable)	
12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449	<input checked="" type="checkbox"/> Copies of IDS Citations
13. <input type="checkbox"/> Preliminary Amendment	
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16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.	
17. <input type="checkbox"/> Other:	

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☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application No. 10, 287,720

Prior application information:

Examiner: Jennifer A. Leung

Group Art Unit: 1764

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

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Name	Mr. Palmer C. DeMeo Registration no: 37,083		
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City	Woodbridge	State	VA
Country	USA	Telephone	703-730-8663
		Fax	703-730-8663

Name (Print/Type)	MARIO D. THERIAULT	Registration No. (Attorney/Agent)	40,368
Signature	<i>Mario Theriault</i>	Date	05/22/2002

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